

4.8-kDa and 10-kDa mPEGs Bind 100× More Tightly to Anti-mPEG Antibodies than PEG Lacking Methoxyl Groups

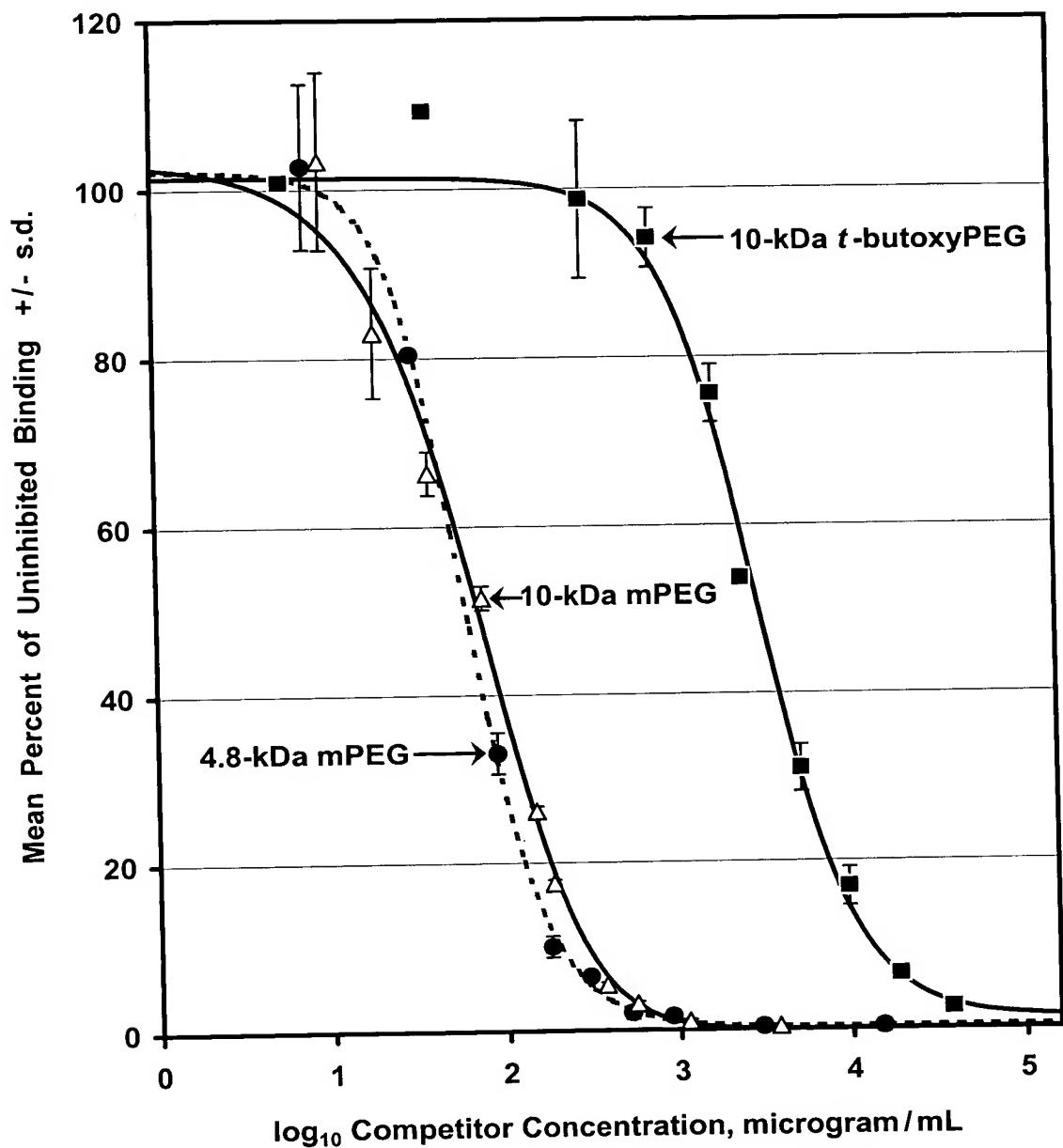


Figure 1

Competitive Binding to Anti-mPEG Antibodies by Linear PEGs or "Branched PEGs" (mPEG-lysines) with 1 or 2 Methoxyl Groups

(Graphed vs. Molarity of Methoxyl Groups)

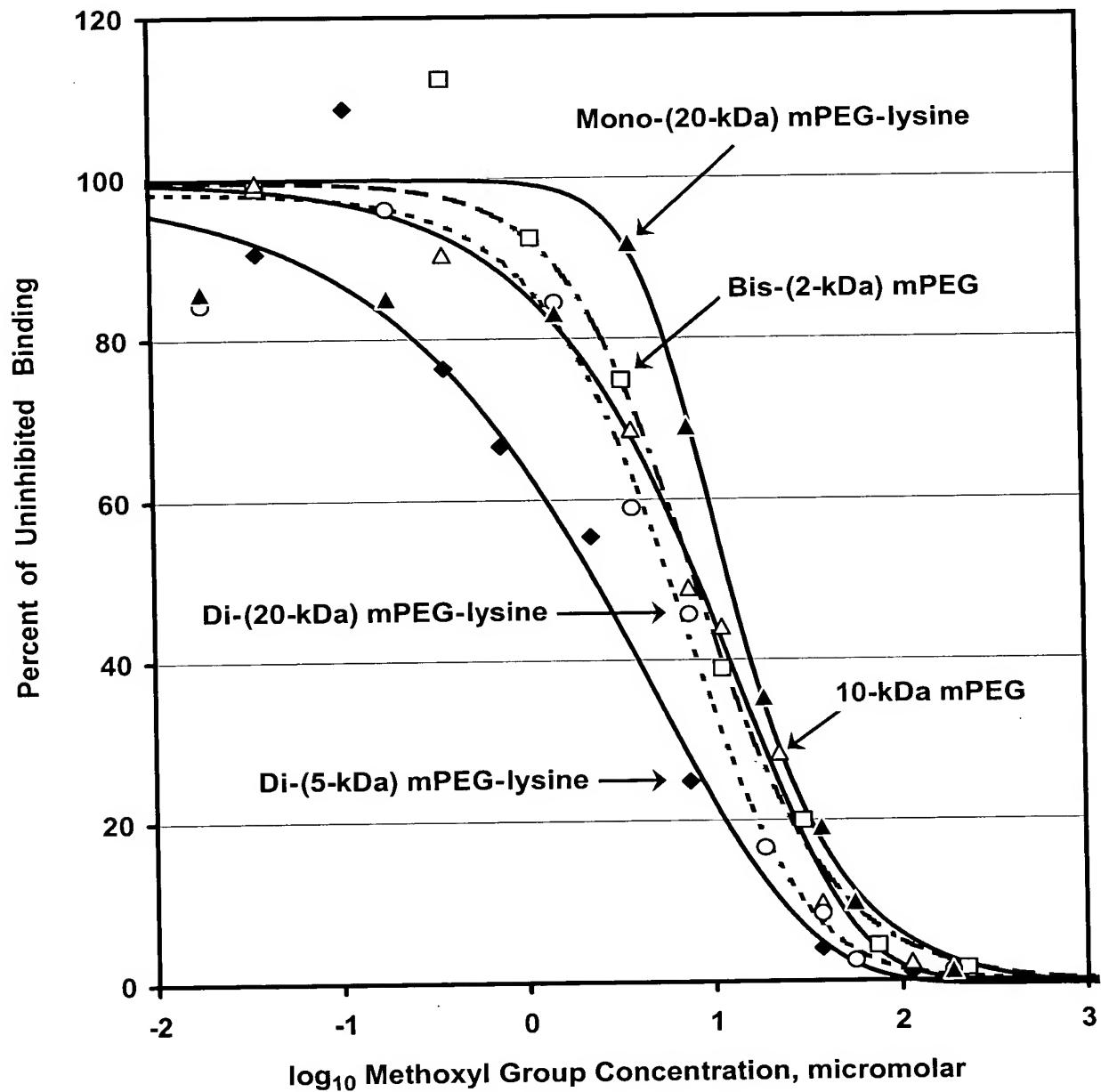


Figure 2a

**Competitive Binding to Anti-mPEG Antibodies by Linear PEGs
or "Branched PEGs" Containing 1 or 2 Methoxyl Groups**

(Graphed vs . Weight Concentration of PEG)

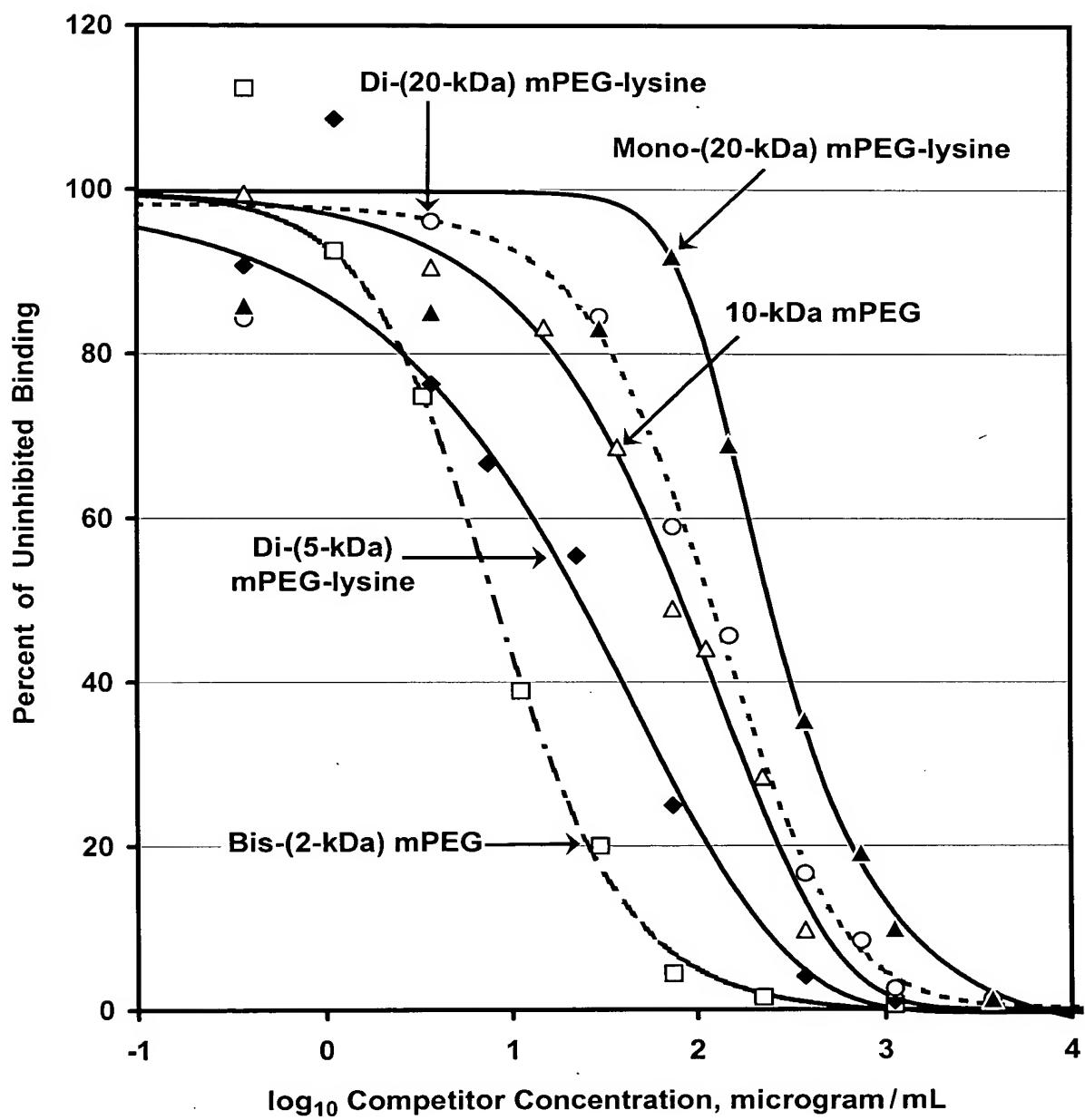


Figure 2b

**Differences in Affinities for Anti-mPEG Antibodies among
10-kDa PEGs Containing 0, 1 or 2 Methoxyl Groups**

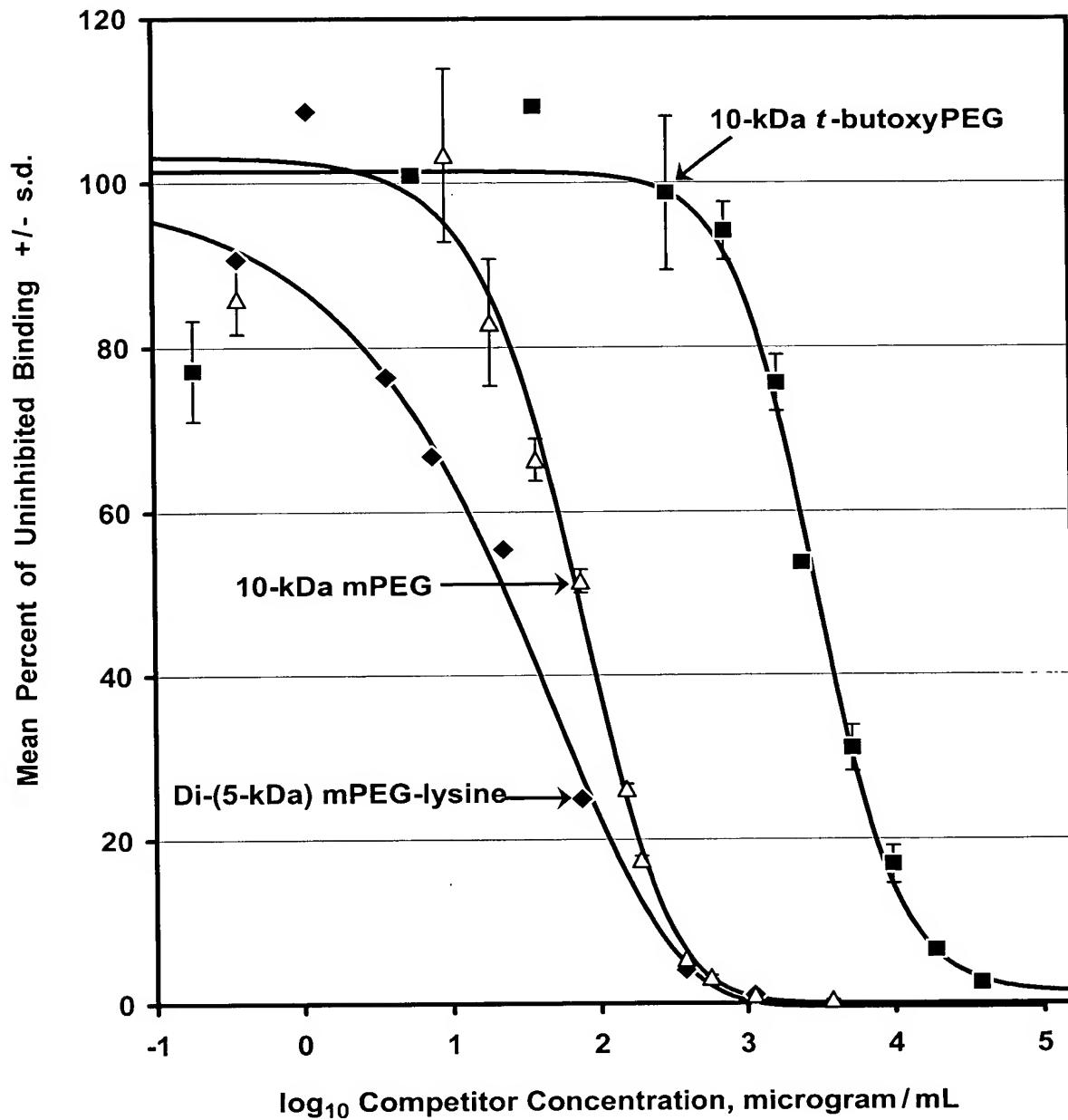


Figure 3

mPEG Binds 100X More Tightly to Anti-mPEG Antibodies than HydroxyPEGs (PharmaPEGs) that Lack Alkoxy Groups

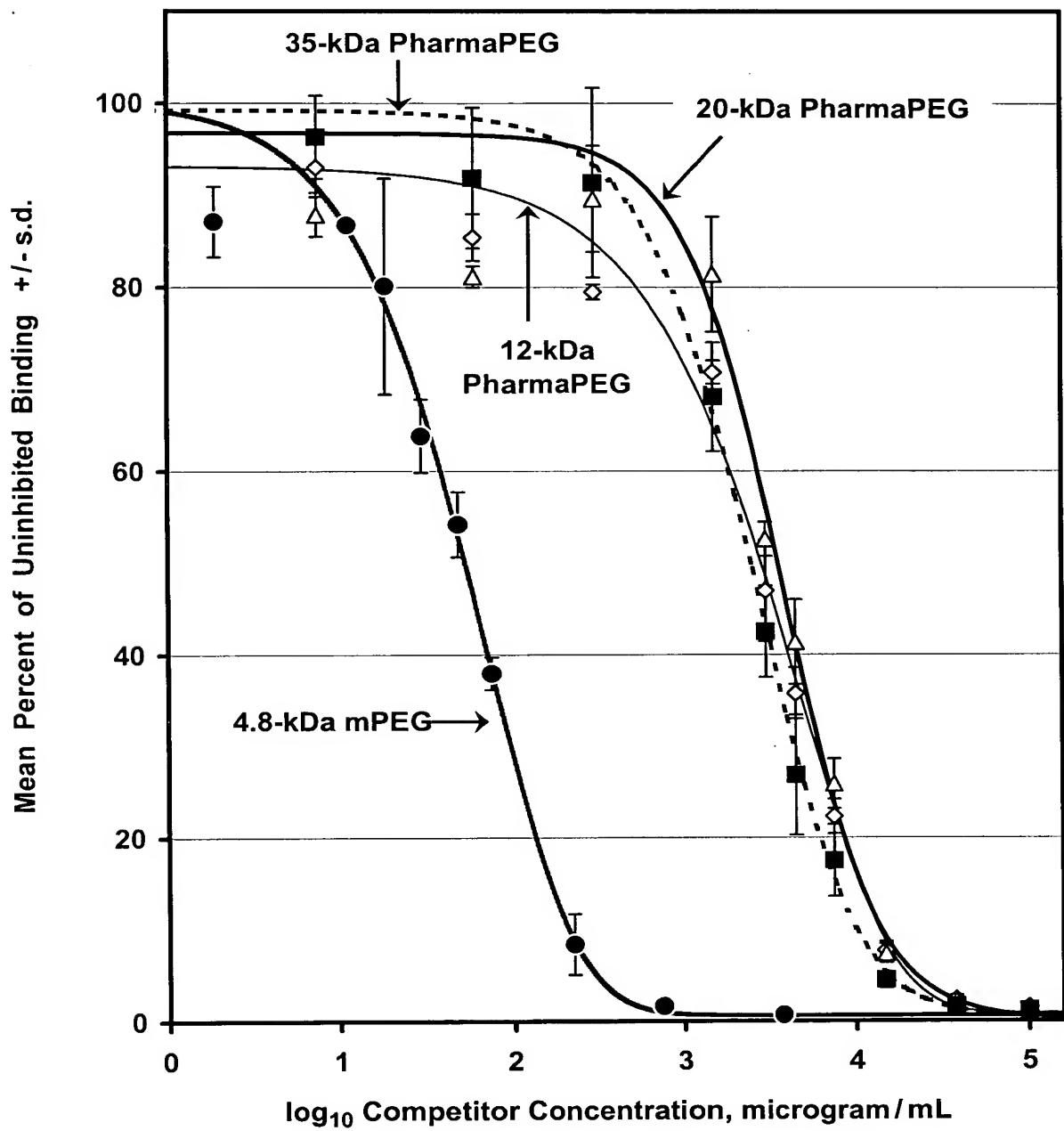
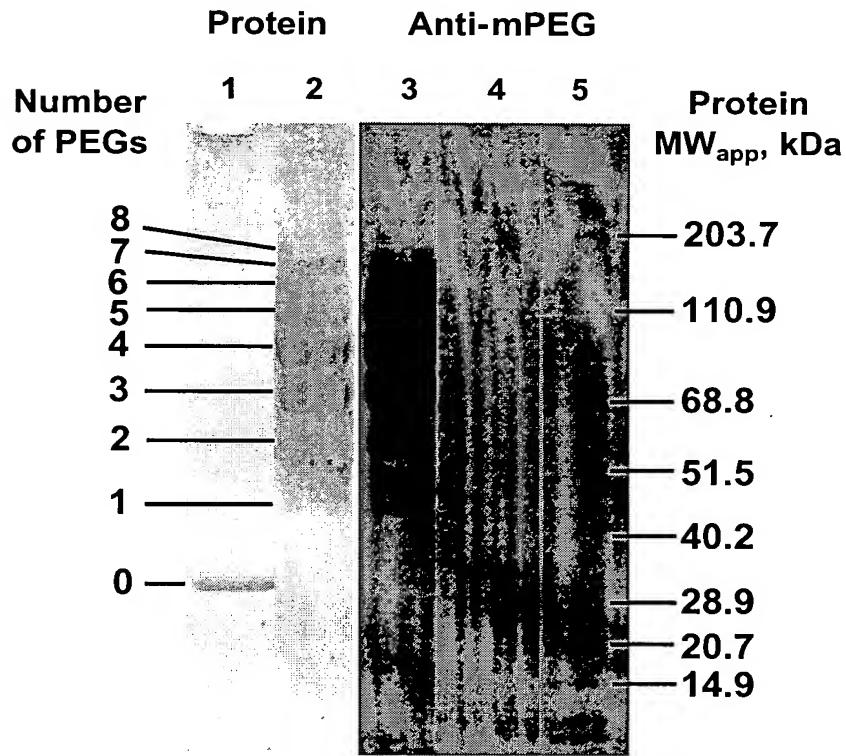


Figure 4

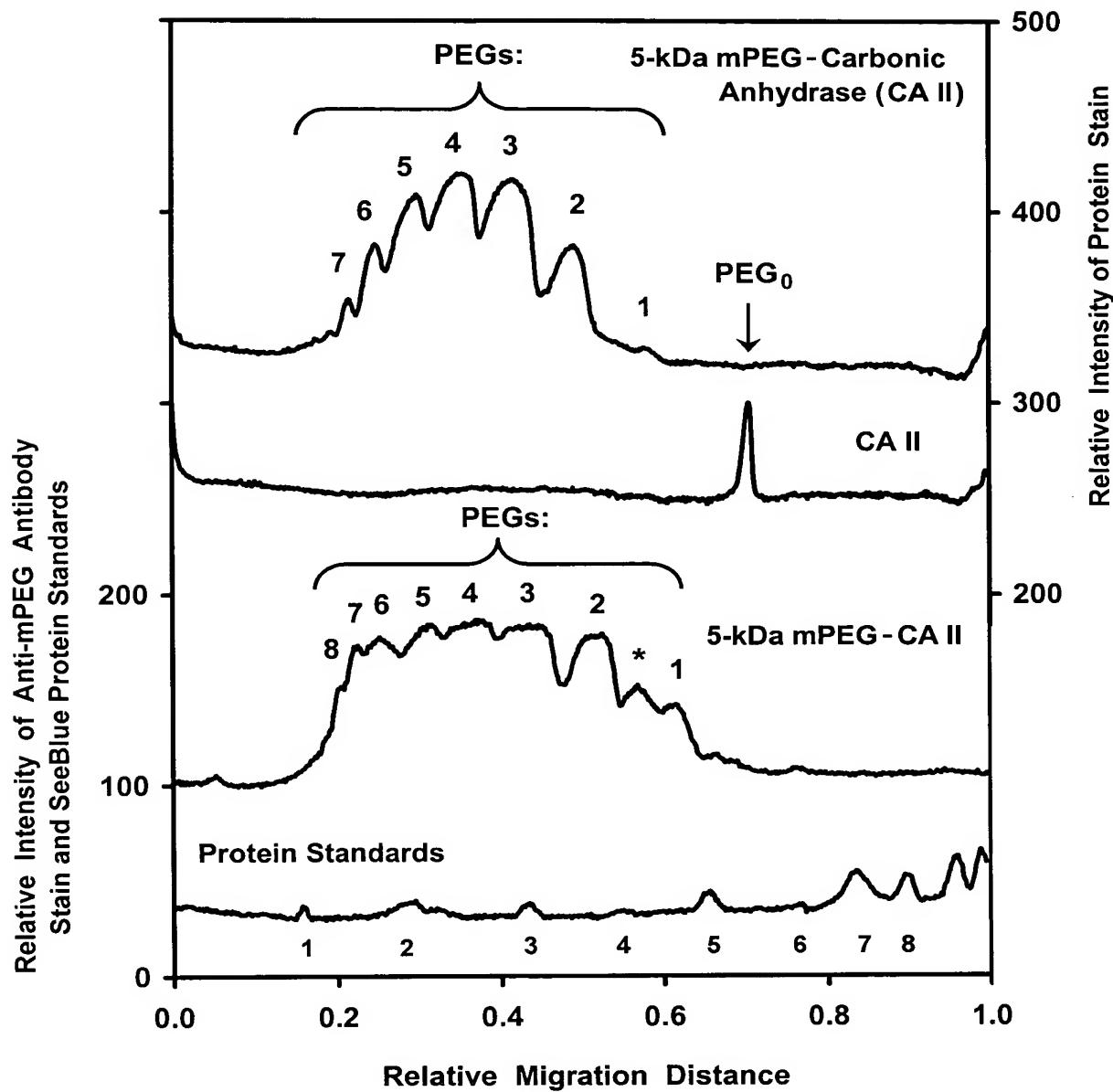
Detection of mPEG-protein Conjugates on a "Western Blot" with Anti-mPEG Antibodies



- Lane 1: Carbonic Anhydrase II ("CA II")
- Lane 2: 5-kDa mPEG conjugates of CA II
- Lane 3: 5-kDa mPEG conjugates of CA II
- Lane 4: Carbonic Anhydrase II
- Lane 5: SeeBlue Plus 2™ Standard Proteins

Figure 5a

Relative Intensities of Stained Bands in an Electrophoretic Gel and on a "Western Blot" with Anti-mPEG Antibodies



*PEGylated fragment of CA II

Figure 5b

**Anti-PEG and Anti-uricase Antibodies in Sera of Rabbits
Immunized with mPEG-uricase or PharmaPEG-uricase**

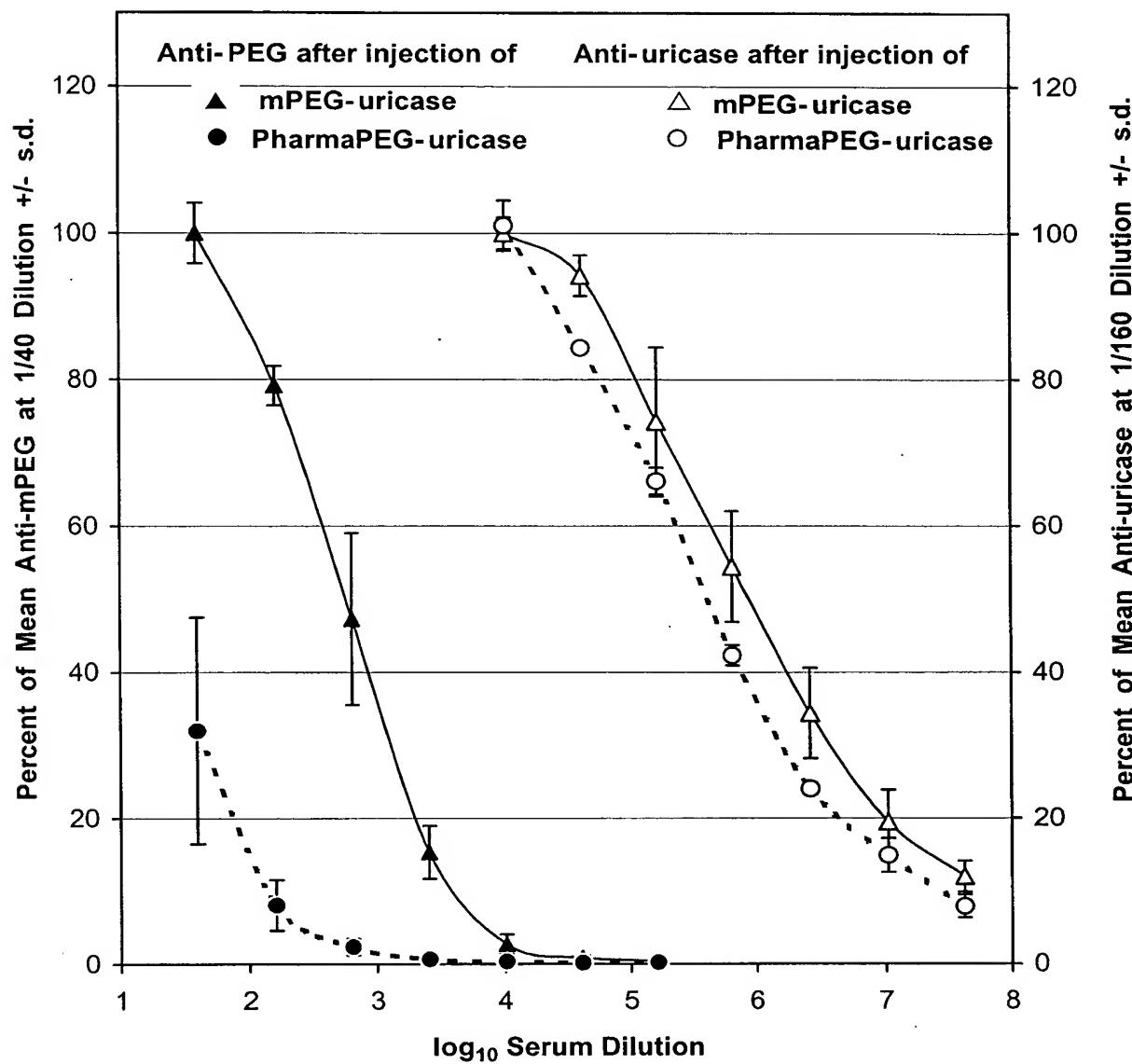


Figure 6a

**Anti-PEG and Anti-uricase Antibodies in Sera of Rabbits
Immunized with mPEG-uricase or PharmaPEG-uricase**

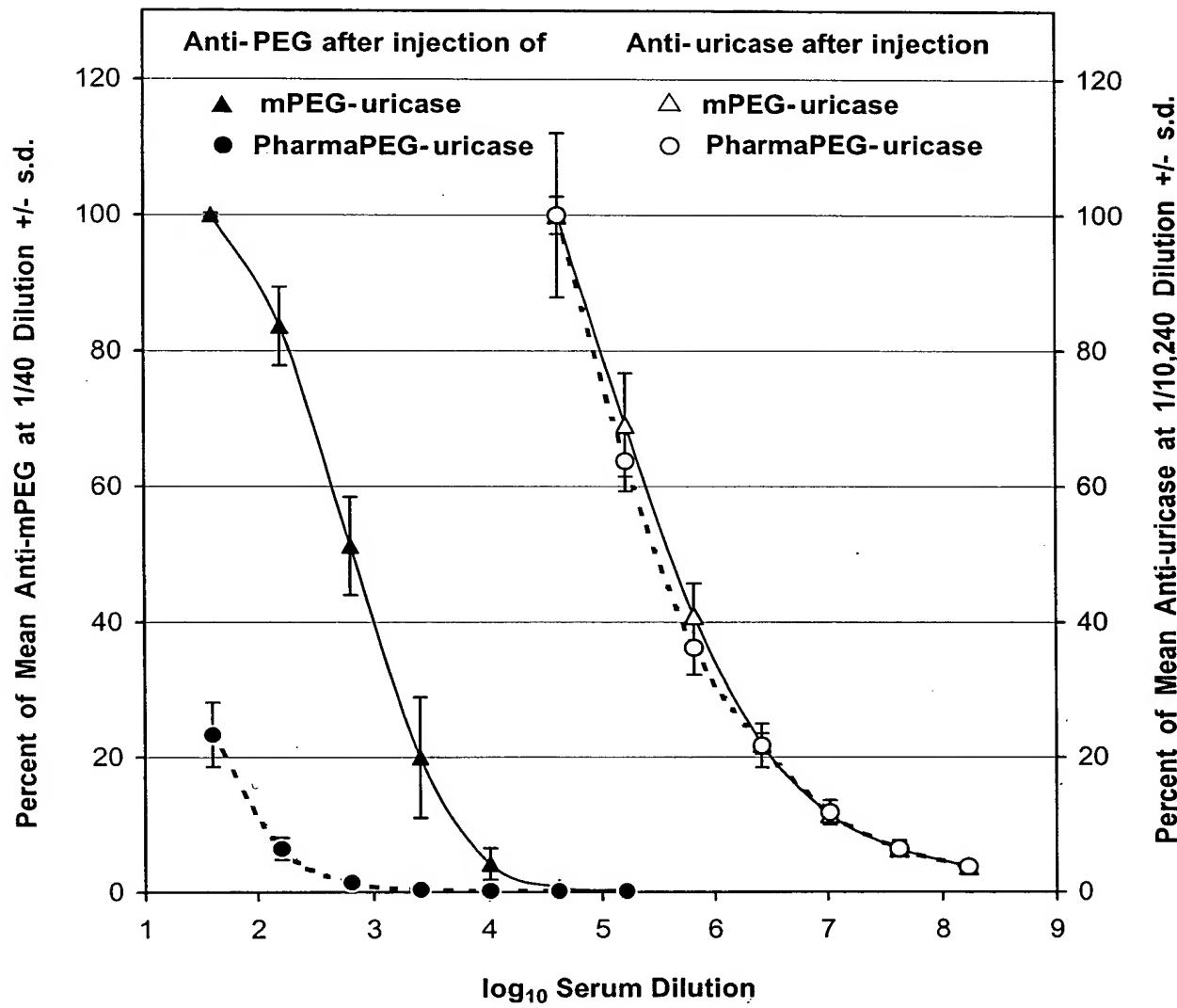


Figure 6b